

AMENDMENTS TO THE CLAIMS

The claims have been amended as follows:

1. (Currently Amended) An electronic program guide providing device comprising:

an ~~editing-means~~ editor unit for ~~editing- updating~~ electronic program information ~~received from a broadcasting source~~;

an electronic program information storage ~~means~~ unit for storing the electronic program information ~~edited- updated~~ by said ~~editing-means~~ editor unit;

a table generation ~~means~~ unit for generating a plurality of electronic program guide information tables using the electronic program information stored in said electronic program information storage ~~means~~ unit, and ~~for~~ transmitting the plurality of electronic program guide information tables as transport stream packets~~[[,]]~~;

~~wherein,~~ said plurality of electronic program guide information tables ~~including~~ includes a first table of events~~[[,]]~~ and at least a second table of events;

~~wherein said second table of events occur~~ ~~occurring~~ at different times or in ~~including- include~~ different content from the events in the first table;

wherein, when updating the electronic program information stored in said electronic program information storage ~~means~~ unit, said ~~editing-means~~ editor unit generates update information on the updating of the electronic program information; and

said table generation ~~means~~ unit also determines which of said plurality of electronic program guide information tables needs to be ~~generated- regenerated~~ based on said update information generated by said ~~editing-means~~ editor unit and ~~generates~~

regenerates only those electronic program guide information tables that are determined to need updating by using the electronic program information stored in said electronic program information storage ~~means~~ unit;

wherein the first table of events is separately regenerated at a time ~~or in content~~ different from the second table of events.

2. (Currently Amended) The electronic program guide providing device according to Claim 1, further comprising:

an update information storage ~~means~~ unit for storing the update information generated by said ~~editing means~~ editor unit, and

wherein, when updating the electronic program information stored in said electronic program information storage ~~means~~ unit, said ~~editing means~~ editor unit stores the update information on the updating of the electronic program information in said update information storage ~~means~~ unit.

3. Cancelled.

4. Cancelled.

5. (Currently Amended) The electronic program guide providing device according to Claim ~~[[3]]~~ 1, wherein said table generation ~~means~~ unit updates only one or more of a plurality of electronic program information tables that need to be updated at

predetermined intervals, wherein said table generation unit sets the length of predetermined intervals of the only one or more electronic program information tables that need to be updated.

6. (Currently Amended) The electronic program guide providing device according to Claim [[4]] 2, wherein said table generation ~~means~~ unit updates only one or more of a plurality of electronic program information tables that need to be updated at predetermined intervals.

7. (Currently Amended) The electronic program guide providing device according to Claim 5, wherein said table generation ~~means~~ unit sets the length of predetermined intervals ~~at which only one or more electronic program information tables that need to be updated are updated~~ according to a sending frequency of an electronic program information table with the largest sending frequency.

8. Cancelled.

9. (Currently Amended) The electronic program guide providing device according to Claim 5, wherein said table generation ~~means~~ unit sets the length of predetermined intervals at which each of one or more electronic program information tables that need to be updated is updated according to a sending frequency of each of the one or more electronic program information tables.

10. (Currently Amended) The electronic program guide providing device according to Claim [[6]] 2, wherein said table generation-means unit sets the length of predetermined intervals at which each of one or more electronic program information tables that need to be updated is updated according to a sending frequency of each of the one or more electronic program information tables.

11. (Currently Amended) The electronic program guide providing device according to Claim 2, wherein said device includes a plurality of ~~editing-means~~ editor units, and each of said plurality of ~~editing-means~~ editor units inspects update information generated by any other ~~editing-means~~ editor units stored in said update information storage-means unit.

12. (Currently Amended) The electronic program guide providing device according to Claim 2, wherein said update information storage-means unit stores histories of the update information generated by said ~~editing-means~~ editor unit, and said ~~editing-means~~ editor unit restores the electronic program information stored in said electronic program information storage-means unit to the state it was prior to any updating done by said ~~editing-means~~ editor unit with reference to the histories of the update information stored in said update information storage-means unit if necessary.

13. (Currently Amended) The electronic program guide providing device according to Claim 1, wherein said table generation-means unit determines whether the

updating of the electronic program information done by said ~~editing-means~~ editor unit causes something wrong in the generation of the electronic program guide table, when determining so, notifies said ~~editing-means~~ editor unit that there ~~causes-~~ is something wrong in the generation of the electronic program guide table, and invalidates the updating of the electronic program information.

14. (Currently Amended) The electronic program guide providing device according to Claim 1, wherein said table generation-means unit determines whether the updating of the electronic program information done by said ~~editing-means~~ editor unit causes something wrong in the generation of the electronic program guide table, when determining so, notifies said ~~editing-means~~ editor unit that there ~~causes-~~ is something wrong in the generation of the electronic program guide table, and requests said ~~editing-means~~ editor unit re-edit the electronic program information.

15. (Currently Amended) The electronic program guide providing device according to Claim 12, wherein said table generation-means unit determines whether the updating of the electronic program information done by said ~~editing-means~~ editor unit causes something wrong in the generation of the electronic program guide table, when determining so, notifies said ~~editing-means~~ editor unit that there ~~causes-~~ is something wrong in the generation of the electronic program guide table, and restores the electronic program information stored in said electronic program information storage ~~means~~ unit to the state it was prior to the updating of the electronic program information

with reference to the histories of the update information stored in said update information storage ~~means~~ unit.

16. (Currently Amended) The electronic program guide providing device according to Claim 1, wherein said device includes a plurality of table generation ~~means~~ units for generating the plurality of electronic program guide information tables while sharing a load of generating the electronic program guide information tables.

17. (Currently Amended) The electronic program guide providing device according to Claim 2, wherein said device includes a plurality of table generation ~~means~~ units for generating the plurality of electronic program guide information tables while sharing a load of generating the electronic program guide information tables.

18. (Currently Amended) The electronic program guide providing device according to Claim 1, wherein said table generation ~~means~~ units provides the plurality of electronic program guide information tables at predetermined intervals, and, when updating an electronic program guide information table, provides the updated electronic program information guide table at the same time that it updates the electronic program guide information table.

19. (Currently Amended) The electronic program guide providing device according to Claim 2, wherein said table generation ~~means~~ unit provides the plurality of

electronic program guide information tables at predetermined intervals, and, when updating an electronic program guide information table, provides the updated electronic program information guide table at the same time that it updates the electronic program guide information table.

20. (Previously Presented) A method of generating electronic program guide information tables, comprising:

receiving edited electronic program guide information;

storing the received edited electronic program guide information;

generating a plurality of electronic guide information tables

receiving electronic program guide update information;

determining whether one or more of said plurality of electronic program guide information tables needs to be updated based on the electronic program guide update information;

re-generating only those electronic program guide information tables determined to need updating; and

transmitting the plurality of electronic program guide information tables as transport stream packets.

21. (Currently Amended) The method of claim 20 wherein generating the updated electronic program guide information tables occurs at predefined intervals, and wherein the predefined interval is set for each of the plurality of electronic program

guide information tables.

22. Cancelled.

23. Cancelled.

24. (Previously Presented) The method of claim 20, further comprising: storing a history of the electronic program guide update information received.

25. (Previously Presented) The method of claim 24, further comprising:
determining if the received edited electronic program guide information will cause an error in an electronic program guide table if generated; and
notifying the sender if the received edited electronic program guide information is determined to cause an error.

26. (Previously Presented) The method of claim 25, further comprising:
restoring the stored edited electronic program guide information to a state prior to receiving the edited electronic program guide information based on the stored history.